Nebraska farm couple sends a gift of $2,000 to Truman to use for relief in Europe.

Bomb Guided by Radar Is Deadly

The 'Bat' Is Able to Trail Vessels Unerringly, Navy Reports.

NEW YORK. — The "Bat," a radar-guided bomb that relentlessly followed enemy warships and merchant men and sank them no matter how hard they tried to elude it, was announced here by the Bell Telephone laboratories, with authority by the navy, according to the New York Times.

The weapon is equipped with a radar in its nose by which it sends and receives signals from the target. Wherever the target goes it follows, twisting and turning with it, until their pathways merge in a final explosion.

The navy's electronic Bat guides itself by radar pulses in the same manner in which the natural bat guides itself by the echoes of supersonic pulses emitted by it in flight. It is released from a mother plane after it is made certain that the ship discovered by the Bat belongs to the enemy.

The radar-guided bomb is about 12 feet long, has a 10-foot wing spread and carries half a ton of high explosives. The radar equipment weighs about 200 pounds. Its speed is comparable to that of a plane and its range great enough so that the mother ship can operate well out of range of the enemy's best anti-aircraft fire.

Shows the Direction.

The unit includes a transmitter, a receiver and the circuit that indicates the direction of the target and flashes its finding electrically to the Bat's autopilot. Another part of the unit, the monitor, mounted in the mother plane, presents signals from the Bat to the pilot and radar observer, so that when the Bat picks up a ship, a tell-tale "blip" appears on the monitor's scope.

After the Bat's find is definitely identified as enemy the pilot heads his plane toward the prey, releasing it at the proper distance. From that point it is "on its own." If the target ship changes its course the Bat knows it a split second later and changes its own accordingly. There is no way to avoid the electronic "homing instinct."

In developing the Bat the Bell engineers were up against the problem of finding out what happens inside a pilotless missile on its way to destruction. At the beginning the testing was done by making trial runs on our own ships, approaching the target as closely as possible without actual collision. This procedure often proved exciting to all concerned. One ship tracked the mother-plane's dive with anti-aircraft guns cocked, but fortunately no one pulled a trigger.

Employ Gondola Blimp.

In the final field test of the Bat, radar equipment was fastened on the front of a blimp gondola. With a daring, unidentified young man astride it to watch its operation, and with motion picture cameras to read various test-meters, they cruised slowly toward the target. On the basis of this and other tests, supplemented by theory, various improvements were made.

By early 1945 final trial releases were completed and the Bat was given orders overseas. Privateer search planes equipped to carry Bats appeared on Philippine airstrips in May of that year. The Bat's combat record against Japanese shipping has not been revealed in detail, but one incident in which two planes sighted two ships by radar over a distance of 20 miles has been disclosed.

Our planes went in close to identify the ships visually as Japanese destroyers. When they were met by intense anti-aircraft fire, the Privateers banked and flew out of range. One of them undisturbedly launched its Bat—and it glided straight for the leading destroyer, where it blew off her bow. The other destroyer began lobbing shells toward the Privateer, but they were far short.

World War II Takes Toll of 10 Million

Approximately 10,000,000 men were killed in action during World War II, according to the statisticians of the Metropolitan Life Insurance company. Estimated Axis losses exceeded 5,200,000; those of the United Nations were about 4,800,000. The United States and the British Empire are the only major powers for which official and fairly complete statements of battle losses are available.

Germany tops the list, with 3,250,000 battle deaths. Japan lost about 1,500,000 men, and Italy probably 150,000 to 200,000. Germany's other satellites together lost 225,000. Of this total, Romania's losses account for about 100,000; Hungary's for about 75,000, and Finland's for about 50,000. Bulgaria's losses were small.

Russia's deaths in combat are estimated at approximately 3,000,000, or about two-thirds of the entire combat losses suffered by the Allies. The second highest toll among the Allies was borne by the British Empire, whose battle deaths are estimated at 375,000 to 400,000. Next in rank is the United States, with about 325,000 battle deaths, including an allowance for deaths among those wounded in action, and among those still carried as missing on the casualty lists.

Planes May Speed Fresh Produce to Market

Growers and marketing specialists are studying plans to transport products by air. For example, they have in mind tender sweet corn that must be eaten soon after it is picked if the full flavor is enjoyed—spinach and cauliflower that can be shipped cleaned and washed and ready to cook—lima beans and English peas picked at just the right stages of ripeness and shelled and ready to cook.

In Texas, growers are talking about shipping fresh citrus fruit by air. There's not much point in moving citrus fruit itself by air. Oranges, grapefruit, tangerines and lemons all move well by less expensive means of transportation, by boat or rail or truck. But the fresh juice is another matter.

A plan the growers have in mind is to extract the juice from the freshly picked oranges in a plant near the airport. Then they will chill and pack the juice in containers for shipment by plane. The marketing specialists say that one of these days you may have a container of fresh orange juice delivered at your door right along with the morning milk.

Powerful Rodenticide

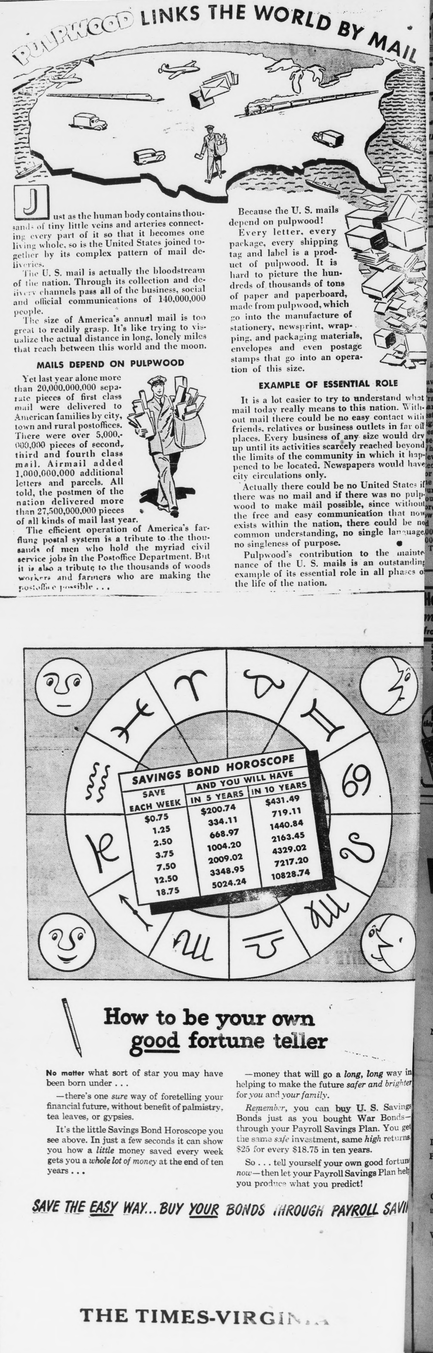
A new and powerful rodent poison, sodium fluoroacetate, now designated simply as 1080, has been found effective against rats, mice, ground squirrels, prairie dogs and other rodents. 1080 is so potent that one part in 5,000 parts of water is fatal to rats. The very dilute solutions reduce to a minimum any objectionable tastes that might lessen acceptance by rodents. It is odorless. The new compound is extremely toxic also to other mammals, and must be used with extreme caution. It is still in the experimental stage, and is not being manufactured in sufficient quantities for general use. Wildlife specialists who have worked with it express the belief that it may not be released for sale generally, but it can and will be used extensively by specialists who know how to handle it. Tested by the navy in Miami, Green Cove Springs, St. Petersburg and Tampa, the new compound has given amazing results. In a small building where other poisons had killed only one rat per month, 1080 accounted for more than 200 in one night. A poultry house baited with the new substance was strewn with dead rodents the next morning.

Rubber Exploration

Rubber trees of apparently much greater productivity and disease resistance have been found by jungle explorers of the department of agriculture and the ministries of agriculture of Colombia and Peru in the upper regions of the Amazon valley. Some of these outstanding trees promise to prove better than the best of the plantation trees now providing most of the world's rubber. Two plant specialists of the department have been ranging the wild region of the upper Amazon in Colombia and Peru. Altogether they have located a hundred or more trees that apparently combine the characters of high yield and resistance to leaf blight, and the best of these are expected to provide germplasm material for highly productive plantations.

Water Heater

To secure the best results from an electric water heater, see that it is properly insulated and installed in the right place. The main thing to remember when installing a heater is not to pipe water any further than necessary. In most homes the best place is in the kitchen even if the laundry house is outside. Clothes are washed only once a week while hot water is used in the kitchen almost constantly. Have your heater adjusted to provide hot water from 130 to 150 degrees Fahrenheit. This range not only is sufficient and safe, but is good from the standpoint of mechanical operation, economy and convenience.



Just as the human body contains thousands of tiny little veins and arteries connecting every part of it so that it becomes one living whole, so is the United States joined together by its complex pattern of mail deliveries.

The U. S. mail is actually the bloodstream of the nation. Through its collection and delivery channels pass all of the business, social and official communications of 140,000,000 people.

The size of America's annual mail is too great to readily grasp. It's like trying to visualize the actual distance in long, lonely miles that reach between this world and the moon.

MAILS DEPEND ON PULPWOOD

Yet last year alone more than 20,000,000,000 separate pieces of first class mail were delivered to American families by city, town and rural postoffices. There were over 5,000,000,000 pieces of second, third and fourth class mail. Airmail added 1,000,000,000 additional letters and parcels. All told, the postmen of the nation delivered more than 27,500,000,000 pieces of all kinds of mail last year.

The efficient operation of America's far-flung postal system is a tribute to the thousands of men who hold the myriad civil service jobs in the Postoffice Department. But it is also a tribute to the thousands of woods workers and farmers who are making the life of the nation.

Because the U. S. mails depend on pulpwood!

Every letter, every package, every shipping tag and label is a product of pulpwood. It is hard to picture the hundreds of thousands of tons of paper and paperboard, made from pulpwood, which go into the manufacture of stationery, newsprint, wrapping, and packaging materials, envelopes and even postage stamps that go into an operation of this size.

EXAMPLE OF ESSENTIAL ROLE

It is a lot easier to try to understand what mail today really means to this nation. Without mail there could be no easy contact with friends, relatives or business outlets in far off places. Every business of any size would dry up until its activities scarcely reached beyond the limits of the community in which it happened to be located. Newspapers would have a city circulations only.

Actually there could be no United States if there was no mail and if there was no pulpwood to make mail possible, since without the free and easy communication that now exists within the nation, there could be no common understanding, no single language and no singleness of purpose.

Pulpwood's contribution to the maintenance of the U. S. mails is an outstanding example of its essential role in all phases of the life of the nation.

THE TIMES-VIRGINIAN

How to be your own good fortune teller

No matter what sort of star you may have been born under . . .

—there's one *sure* way of foretelling your financial future, without benefit of palmistry, tea leaves, or gypsies.

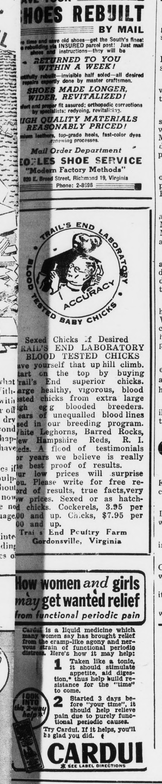
It's the little Savings Bond Horoscope you see above. In just a few seconds it can show you how a *little* money saved every week gets you a *whole lot of money* at the end of ten years . . .

—money that will go a *long, long* way in helping to make the future *safer and brighter for you and your family.*

Remember, you can buy U. S. Savings Bonds just as you bought War Bonds—through your Payroll Savings Plan. You get the same *safe* investment, same *high* returns—$25 for every $18.75 in ten years.

So . . . tell yourself your own good fortune *now*—then let your Payroll Savings Plan help you produce what you predict!

SAVE THE EASY WAY... BUY YOUR BONDS THROUGH PAYROLL SAVINGS



Sexed Chicks if Desired
TRAIL'S END LABORATORY BLOOD TESTED CHICKS.
Save yourself that up hill climb, start at the top by buying Trail's End superior chicks. Healthy, vigorous, blood tested chicks from extra large egg bloodied breeders. Years of unequalled blood lines used in our breeding program. Blue Andalusians, Barred Rocks, New Hampshire Reds, R. I. Reds. A flood of testimonials for years we believe is really the best proof of results. Our low prices will surprise you. Please write for free reports and results, true factory prices. Sexed or as hatch chicks. Cockerels, 3.95 per 100 up. Chicks, $7.95 per 100 ans up.
Trail's End Poultry Farm
Gordonsville, Virginia

How women *and girls* may get wanted relief from functional periodic pain

Cardui is a liquid medicine which many women say has brought relief from the cramp-like agony and nervous strain of functional periodic distress. Here's how it may help:
1 Taken like a tonic, it should stimulate appetite, aid digestion, thus help build resistance for the "time" to come.
2 Started 3 days before your time, it should help relieve pain due to functional periodic causes.
Try Cardui. If it helps, you'll be glad you did.

CARDUI

Veteran- -

Hold on to your Govern ment Insurance!

A Life time bargain - Cheaper than Private Life Insurance.

Need Not Carry $10,000.00—It Can Be Reduced To An Amount to suit Your Needs.

After Conversion You Can Borrow On It.
LIBERAL DISABILITY CLAUSE.

REVIVE IT

If You Have Dropped Yours It Can Be Put Back In Force, Provided You Are In Good Health, Within Six (6) Months of Leaving the Service.

Contact Your Local American Legion Post or Veterans Administration For Details.

We mention the above in behalf of your personal interest as taxpayers to be sound financial advice.

The Bank of Appomattox
APPOMATTOX, VA.

Stonewall

Stonewall, May 6.- We are so glad to see the sunshine after such a nice rain.

Mrs. E. H. Carson and Claude Drinkard, who have been quite sick, are both getting better.

Miss Nadine Burnett spent the week-end at Harrisonburg and attended the May Day there.

Mr. and Mrs. Henry Beard and son, Lawrence, of Appomattox were dinner guests of his parents, Mr. and Mrs. J. H. Beard, Sunday and afternoon guests of her parents, Mr. and Mrs. E. L. Chick.

Aubrey Lee Burnett, of Roanoke spent the week-end with his parents, Mr. and Mrs. J. Rufus Burnette.

Mr. and Mrs. Lester Carson had as their guests on Sunday Mr. and Mrs. Irby Wheeler and family, Mr. and Mrs. Tommie Davidson and family and Jessie Davidson.

Mr. and Mrs. R. H. Thornhill and daughter, Elsie spent Saturday in Harrisonburg with their daughter, Martha, and attended the May Day exercises.

Mr. and Mrs. Hugh Braford have moved into their new home. We are glad to welcome this couple to our community. They had as their guests on Sunday his parents from Natural Bridge.

Mrs. Lula Taylor and Mrs. Florence Carson, who have been sick are both getting better at their home here.

Mrs. Sam Paige, who has been ill in the Baptist Hospital for three weeks, is improving.

Concord

Concord, May 2.- Miss Virginia Knight, of Crewe visited here recently.

Mr. and Mrs. Sydner Rucker, of Lynchburg visited here over the week-end.

Dan Callahan, of Williamsburg is visiting here this week.

Miss Mae Kelly, of Florence, S. C., visited relatives here over the week-end.

Mrs. C. C. Thomas has been visiting her daughter in Zuni.

Mrs. W. A. Owen is visiting this week in Lynchburg.

Evergreen

Evergreen, May 7.- Miss Ann Young was the week-end guest of Miss Alice Clapp.

Those visiting in the home of Mr. and Mrs. Ernest Farrar Sunday were Mr. and Mrs. J. C. Staples and Mr. and Mrs. James Evans and Doris.

Miss Margaret Garrette, of Lynchburg spent the week-end with her parents, Mr. and Mrs. W. C. Garrette.

Howard Austin, of Lynchburg, spent the week-end with his parents, Mr. and Mrs. F. S. Austin.

Rev. Archie Turner preached a splendid sermon Sunday morning at the Evergreen Methodist Church.

Mr. and Mrs. Evans Farrar, of Roanoke are visiting in the home of Mr. and Mrs. Ernest Farrar.

Locust Grove

Locust Grove, May 7.- Mrs. Johnny Carnefix and son, Joel, spent last Wednesday evening with Mrs Tommie Carnefix and Mrs. Lucy Perkins.

Mrs. Tom Robertson spent Wednesday with Mrs. Charlie Lewis.

Dinner guests Sunday of Mr. and Mrs. Willie Beale were Mr. and Mrs. Honze Reynolds, James Beale, Frank Chernault, Mr. and Mrs. Bennie Beale, Yvonne Beale and Alice Virginia Grow. Mr. and Mrs. Jessie Chernault and daughters spent the afternoon in this home.

Mrs. Lula Beale spent Wednesday of last week with Mrs. Janie Chernault.

Mrs. Mode Abbott spent Saturday and Sunday with her sister, Mrs. Tom Robertson.

Friends are glad to see Russell Chernault out after a recent illness.

Mr. and Mrs. Tom Garrette and children spent Sunday evening with Mr. and Mrs. Tom Robertson.

Mr. and Mrs. Johnny Carnefix and Walker Carnefix spent Sunday evening with Mr. and Mrs. Jimmie Harvey.

Mr. and Mrs. Lloyd Hamilton, Mrs. Percy Thompson and son visited Mr. and Mrs. Tom Robertson Sunday.

Gladstone

Gladstone, May 2.- Mr. and Mrs. Christian Carter, of Charleston, W. Va. have been visiting her parents, Mr. and Mrs. J. W. Moss.

Thomas Wallace, U. S. Navy has been spending a few days with his mother, Mrs. Beatrice Wallace.

Mrs. F. R. Greaner, Mrs. J. S. Surks, Mrs. O. L. Brown, Mrs. R. W. Poindexter and Luther Brown attended the W. M. U. meeting at Dillwyn.

Electric power rationing ordered in Virginia as of midnight tonight; due to coal shortage.

Foreign ministers shelve Italian border decision.

Dimouts spread over the nation as coal strike continues.

Primaries held test of political power of PAC.

Assault wins Kentucky Derby.

Subscription rate: $1.50 a year, payable in advance.

Miller named superintendent of public instruction in Virginia, succeeding Dr. Lancaster.

Phone 30 with Personals.

Uncle Sam Says

Take a look at this U. S. Savings Bond, friend. You don't have to be a seventh son of a seventh son to see your future. If travel is your desire some day, or you hope to see your boy or girl in college, or you dream of owning a farm, this Bond can help to make these dreams come true. Bonds accumulate faster than you imagine when you save regularly through the payroll savings plan where you work. Every $18.75 you put away in United States Savings Bonds grows to $25 in ten years.

U. S. Treasury Department

SUPPLEMENT

DAIRY PASTURES

"Green pastures" are here! And their appearance means that you will be able to graze your dairy cattle instead of being limited to feeding them hay and silage in the barn. But your pasture grazing should be supplemented with grain, states P. M. Reaves, dairy husbandman with the Virginia Extension Service.

The cow will produce lots of milk for a short while when she is on pasture, even if she doesn't have grain, but it soon is not fed grain along with the pasture, her milk production will be lowered in the summer and fall, according to Mr. Reaves.

The fresh air, sunshine, exercise and green pastures are very beneficial. Reaves says. Also he points out that pasture is very nutritious and is the greatest stimulus to milk secretion that can be found in any feed.

Read Times-Virginian ads.

AT LAST... RELIEF FOR RHEUMATISM

LUMBAGO, SWOLLEN JOINTS, ARTHRITIS, BACKACHE, NEURITIS

"Boy, do I feel swell! Not an ache or pain anywhere." That's what you'll exclaim joyfully when you've tried this marvelous new RHEUMATISM medicine. Gives wonderful relief to thousands who had suffered for years, who had tried everything, and were beginning to think relief was impossible. Try LAKE'S 9 DROPS

On Sale At All Drug Stores

DAUGHTER-IN-LAW TURNS TABLES

"I wish I could cook *like my son's wife!*"

WHEN a man's mother envies his *wife's* cooking — that's news!

But with all respect to mother's recipes and talents, it's small wonder her eyes pop (and her mouth waters!) when daughter-in-law cooks on a *modern automatic electric range!*

Electric heat is so easily and accurately controlled that cook-book results are easy every time. Even heating, at desired speeds, helps meat and vegetables retain color, texture, savory juices.

Besides . . . Electric Cookery is *cool, clean, thrifty* . . . with many automatic features that mean hours of freedom from the kitchen!

Buy Electrical Appliances from Your Dealer

VIRGINIA ELECTRIC AND POWER COMPANY

THE OLD JUDGE SAYS...

DICK: "I wonder how the distillers feel about that new movie built around an alcoholic."

OLD JUDGE: "It's funny you asked that, Dick... I was just reading a piece about it."

DICK: "What did it say?"

OLD JUDGE: "A very sensible statement. It said the beverage distillers are fully aware of this problem and are cooperating in every way possible to help solve it. The alcoholic is to the beverage distilling industry what the reckless driver is to the automobile industry. There is nothing wrong with the automobile, but in the hands of a man who doesn't know how to drive it or is reckless, it becomes a menace. Likewise, it's not the use but the abuse of alcoholic beverages that causes trouble."

DICK: "Wonder why it is most men can drink moderately and others can't?"

OLD JUDGE: "Intensive research at a great university has shown that most excessive drinkers are really sick people. They are suffering from some physical, social or emotional upset. And great strides have been made in developing clinical methods of helping these unfortunate people."

This advertisement sponsored by Conference of Alcoholic Beverage Industries, Inc

From where I sit ... *by* Joe Marsh

Good Trees and Good Taverns

About the finest stand of timber in our county is on Asa Fullmore's farm. Asa says it's due to "regulation"—checking on trees that don't come up to standard, and trimming them off to give the other trees a chance for healthy livelihood.

He was explaining it to us in Sandy Botkin's Garden Tavern, and Andy nodded approvingly.

"The same goes for any industry," says Andy. "Like the brewers who give us tavern keepers beer to sell. If they find the place isn't up to standard—clean and courteous and wholesome—they start giving warning. Then, if the warning isn't heeded, they start trimming!"

From where I sit, self-regulation within the brewing industry has done as much to give us pleasant, wholesome places to enjoy a moderate glass of beer, as Asa Fullmore's forestry has done to keep his white pines tall and healthy. It's nature's own protection—and the best there is!

Joe Marsh

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